

Form PTO-1449 (modified)

Atty. Docket No.

Serial No.

UTXC:504/WIM

08/726,211

List of Patents and Publications for Applicant's

Applicant

Mar Tormo, et al.

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:

October 4, 1996

Group:

UNKNOWN 1636

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

U.S. Patent Documents

| Exam. Init. | Ref. Des. | Document Number | Date | Name | Class | Sub Class | Filing Date if App. |
|-------------|-----------|-----------------|------|------|-------|-----------|---------------------|
| | | | | | | | |

Foreign Patent Documents

| Exam. Init. | Ref. Des. | Document Number | Date | Country | Class | Sub Class | Translation Yes/No |
|-------------|-----------|-----------------|---------|---------|-------|-----------|--------------------|
| | B1 | 0 252 685 | 1-13-88 | PCT | | | |

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

| Exam. Init. | Ref. Des. | Citation |
|-------------|-----------|---|
| AV | C1 | Allsopp <i>et al.</i> , "The Proto-Oncogene bcl-2 Can Selectively Rescue Neurotrophic Factor-Dependent Neurons from Apoptosis," <i>Cell</i> , 73:295, 1993. |
| AV | C2 | Bakhshi <i>et al.</i> , "Cloning the Chromosomal Breakpoint of t(14;18) Human Lymphomas: Clustering around J _H on Chromosome 14 and near a Transcriptional Unit on 18," <i>Cell</i> , 41:899, 1985. |
| AV | C3 | Boise, <i>et al.</i> , "bcl-x, a bcl-2-Related Gene That Functions as a Dominant Regulator of Apoptotic Cell Death", <i>Cell</i> , 74:597-608, 1993. |
| AV | C4 | Borzillo <i>et al.</i> , "Bcl-2 Confers Growth and Survival Advantage to Interleukin 7-dependent Early Pre-B Cells Which Become Factor Independent by a Multistep Process in Culture," <i>Oncogene</i> , 7:869, 1992. |
| AV | C5 | Campos <i>et al.</i> , "Effects of BCL-2 Antisense Oligodeoxynucleotides on In Vitro Proliferation and Survival of Normal Marrow Progenitors and Leukemic Cells," <i>Blood</i> , 84:595, 1994. |
| AV | C6 | Cazals-Hatem <i>et al.</i> , "Molecular Cloning and DNA Sequence Analysis of cDNA Encoding Chicken Homologue of the Bcl-2 Oncoprotein," <i>Biochim. Biophys. Acta</i> , 1132:109, 1992. |
| AV | C7 | Chao, <i>et al.</i> , "Bcl-x _L and Bcl-2 Repress a Common Pathway of Cell Death," <i>J. Exp. Med.</i> , 182:821-828, 1995. |
| AV | C8 | Chen <i>et al.</i> , "Suppression of Bcl-2 Messenger RNA Production May Mediate Apoptosis after Ionizing Radiation, Tumor Necrosis Factor α , and Ceramide," <i>Cancer Res.</i> , 55:991-994, 1995. |

EXAMINER:

MHA [signature]

DATE CONSIDERED:

3/2/98

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)



| | | | |
|---|--|----------------------------------|-----------------------------------|
| Form PTO-1449 (modified) | | Atty. Docket No. UTXC:504/WIM | Serial No. 08/726,211 |
| List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | Applicant Mar Tormo, et al. | |
| | | Filing Date: October 4, 1996 | Group: UNKNOWN 1636 |
| U.S. Patent Documents See Page 1 | Foreign Patent Documents See Page 1 | Other Art See Page 1 | |

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

| Exam. Init. | Ref. Des. | Citation |
|-------------|-----------|--|
| <i>CV</i> | C9 | Chen-Levy and Cleary, "Membrane Topology of the Bcl-2 Protooncogenic Protein Demonstrated <i>in Vitro</i> ," <i>J. Biol. Chem.</i> 265:4929, 1990. |
| <i>CV</i> | C10 | Chen-Levy <i>et al.</i> , "The <i>bcl-2</i> Candidate Proto-Oncogene Product Is a 24-Kilodalton Integral-Membrane Protein Highly Expressed in Lymphoid Cell Lines and Lymphomas Carrying the t(14;18) Translocation," <i>Mol. Cell. Biol.</i> , 9:701, 1989. |
| <i>CV</i> | C11 | Cheng <i>et al.</i> , "Bax-independent inhibition of apoptosis by Bcl-x _L ," <i>Nature</i> , 279:554-556, 1996. |
| <i>CV</i> | C12 | Chittenden <i>et al.</i> , "Induction of apoptosis by the Bcl-2 homologue Bak," <i>Nature</i> , 374:733, 1995. |
| <i>CV</i> | C13 | Choi <i>et al.</i> , "The role of bcl-X _L in CD40-mediated rescue from anti-μ-induced apoptosis in WEHI-231 B lymphoma cells," <i>Eur. J. Immunol.</i> , 25:1352-1357, 1995. |
| <i>CV</i> | C14 | Clarke <i>et al.</i> , "A recombinant <i>bcl-x_S</i> adenovirus selectively induces apoptosis in cancer cells but not in normal bone marrow cells," <i>Proc. Natl. Acad. Sci. USA</i> , 92:11024-11028, 1995. |
| <i>CV</i> | C15 | Cleary <i>et al.</i> , "Cloning and Structural Analysis of cDNAs for <i>bcl-2</i> and a Hybrid <i>bcl-2</i> /Immunoglobulin Transcript Resulting from the t(14;18) Translocation," <i>Cell</i> , 47:19, 1986. |
| <i>CV</i> | C16 | Cuende <i>et al.</i> , Programmed cell death by <i>bcl-2</i> -dependent and independent mechanisms in B lymphoma cells," <i>EMBO J.</i> , 12:1555-1560, 1993. |
| <i>CV</i> | C17 | Datta <i>et al.</i> , "Overexpression of Bcl-x _L by Cytotoxic Drug Exposure Confers Resistance to Ionizing Radiation-induced Internucleosomal DNA Fragmentation," <i>Cell Growth & Differentiation</i> , 6:363-370, 1995. |
| <i>CV</i> | C18 | Dole <i>et al.</i> , "Bcl-x _L Is Expressed in Neuroblastoma Cells and Modulates Chemotherapy-Induced Apoptosis," <i>Cancer Res.</i> , 55:2576-2582, 1995. |
| <i>CV</i> | C19 | Duke <i>et al.</i> , "Morphological, biochemical and flow cytometric assays of apoptosis," <i>In: Coligan et al (eds) Current protocols in immunology</i> , vol 1., New York: John Wiley & sons, p 3.17.1, 1991. |
| <i>CV</i> | C20 | Eguchi <i>et al.</i> , "Isolation and Characterization of the Chicken <i>bcl-2</i> Gene: Expression in a Variety of Tissues Including Lymphoid and Neuronal Organs in Adult and Embryo," <i>Nucl. Acids. Res.</i> , 20:4187, 1992. |
| <i>CV</i> | C21 | Frankowski <i>et al.</i> , "Function and expression of the <i>Bcl-x</i> gene in the developing and adult nervous system," <i>NeuroReport</i> , 6:1917-1921, 1995. |

EXAMINER:

John A. Thompson

DATE CONSIDERED:

3/2/98

EXAMINER: INITIAL IF REFERENCE CONSIDERED WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

| | | | |
|---|--|----------------------------------|-----------------------------------|
| Form PTO-1449 (modified) | | Atty. Docket No. UTXC:504/WIM | Serial No. 08/726,211 |
| List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | Applicant Mar Tormo, et al. | |
| | | Filing Date: October 4, 1996 | Group: UNKNOWN 1636 |
| U.S. Patent Documents See Page 1 | Foreign Patent Documents See Page 1 | Other Art See Page 1 | |

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

| Exam. Init. | Ref. Des. | Citation |
|-------------|-----------|---|
| <i>MW</i> | C22 | Garcia <i>et al.</i> , "Prevention of Programmed Cell Death of Sympathetic Neurons by the <i>bcl-2</i> Prot-Oncogene," <i>Science</i> , 258:302, 1992. |
| <i>MW</i> | C23 | González-García <i>et al.</i> , " <i>bcl-x</i> is expressed in embryonic and postnatal neural tissues and functions to prevent neuronal cell death," <i>Proc. Natl. Acad. Sci. USA.</i> , 92:4304-4308, 1995. |
| <i>MW</i> | C24 | González-García <i>et al.</i> , " <i>bcl-x_L</i> is the major <i>bcl-x</i> mRNA form expressed during murine development and its product localizes to mitochondria," <i>Development</i> , 120:3033-3042, 1994. |
| <i>MW</i> | C25 | Gottschalk <i>et al.</i> , "Identification of immunosuppressant-induced apoptosis in a murine B-cell line and its prevention by <i>bcl-x</i> but not <i>bcl-2</i> ," <i>Proc. Natl. Acad. Sci. USA.</i> , 91:7350-7354, 1994. |
| <i>MW</i> | C26 | Gottschalk <i>et al.</i> , "The ability of <i>Bcl-x_L</i> and <i>Bcl-2</i> to prevent apoptosis can be differentially regulated," <i>Death and Differentiation</i> , 3:113-118, 1996. |
| <i>AW</i> | C27 | Graninger <i>et al.</i> , "Expression of <i>bcl-2</i> and <i>bcl-2</i> -Ig fusion transcripts in normal and neoplastic cells," <i>J. Clin. Invest.</i> , 80:1512, 1987. |
| <i>MW</i> | C28 | Grillot <i>et al.</i> , " <i>bcl-x</i> Exhibits Regulated Expression During B Cell Development and Activation and Modulates Lymphocyte Survival in Transgenic Mice," <i>J. Exp. Med.</i> , 183:381-391, 1996. |
| <i>MW</i> | C29 | Hockenberry <i>et al.</i> , " <i>Bcl-2</i> is an inner mitochondrial membrane protein that blocks programmed cell death," <i>Nature</i> , 348:334, 1990. |
| <i>AW</i> | C30 | Jäättelä <i>et al.</i> , " <i>Bcl-x</i> and <i>Bcl-2</i> inhibit TNF and Fas-induced apoptosis and activation of phospholipase <i>A₂</i> in breast carcinoma cells," <i>Oncogene</i> , 10:2297-2305, 1995. |
| <i>AW</i> | C31 | Jasty <i>et al.</i> , " <i>bcl-x_L</i> , A Gene Which Regulates Programmed Cell Death, Is Expressed In Neuroblastoma Tumor Cell Lines (abstract)," <i>Clinical Res.</i> , 42:416A, 1994. |
| <i>MW</i> | C32 | Kieffer <i>et al.</i> , "Modulation of apoptosis by the widely distributed <i>Bcl-2</i> homologue <i>Bak</i> ," <i>Nature</i> , 374: 736, 1995. |
| <i>AW</i> | C33 | Kitada <i>et al.</i> , "Investigations of antisense oligonucleotide targeted against <i>bcl-2</i> RNAs," <i>Antisense Res. Dev.</i> , 3:157, 1993. |
| <i>AW</i> | C34 | Kozopas <i>et al.</i> , " <i>MCL-1</i> , a gene expressed in programmed myeloid cell differentiation, has sequence similarity to <i>BCL-2</i> ," <i>Proc. Nat'l Acad. Sci. USA</i> , 90:3516, 1993. |

EXAMINER:

Not a signature

DATE CONSIDERED:

3/2/98

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

| | | | |
|---|--|----------------------------------|--------------------------|
| Form PTO-1449 (modified) | | Atty. Docket No. UTXC:504/WIM | Serial No. 08/726,211 |
| List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | Applicant Mar Tormo, et al. | |
| | | Filing Date: October 4, 1996 | Group: UNKNOWN 1636 |
| U.S. Patent Documents See Page 1 | Foreign Patent Documents See Page 1 | Other Art See Page 1 | |

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

| Exam. Init. | Ref. Des. | Citation |
|-------------|-----------|--|
| <i>dw</i> | C35 | Krajewski <i>et al.</i> , "Immunohistochemical Analysis of <i>In Vivo</i> Patterns of Bcl-x Expression," <i>Cancer Res.</i> , 54:5501-5507, 1994. |
| <i>dw</i> | C36 | Kramer <i>et al.</i> , "Self-specific T lymphocyte lines as vehicles for gene therapy: myelin specific T cells carrying exogenous nerve growth factor gene (abstract)," <i>J. Cell. Biochem.</i> , Suppl. o (17 Part E):215, 1993. |
| <i>rw</i> | C37 | Lin <i>et al.</i> , "Characterization of A1, a novel hemopoietic-specific early-response gene with sequence similarity to BCL-2," <i>J. Immunol.</i> , 151:1979, 1993. |
| <i>rw</i> | C38 | McCarthy <i>et al.</i> , "Apoptosis in the development of the immune system: Growth factors, clonal selection and <i>bcl-2</i> ," <i>Cancer Metastasis Reviews</i> , 11:157-178, 1992. |
| <i>n</i> | C39 | McDonnell <i>et al.</i> , "Bcl-2-immunoglobulin transgenic mice demonstrate extended B cell survival and follicular lymphoproliferation," <i>Cell</i> , 57:79, 1989. |
| <i>rw</i> | C40 | McDonnell, <i>et al.</i> , "The bcl-2-Immunoglobulin Transgenic Mouse: A Model of the t(14;18) Translocation in Human Follicular Lymphoma," <i>Transgene</i> , 1:47, 1993. |
| <i>dw</i> | C41 | Minn <i>et al.</i> , "Expression of Bcl-x _L can Confer a Multidrug Resistance Phenotype," <i>Blood</i> , 86:1903-1910, 1995. |
| <i>n</i> | C42 | Miyashita <i>et al.</i> , "Tumor suppressor p53 is a regulator of bcl-2 and bax gene expression <i>in vitro</i> and <i>in vivo</i> ," <i>Oncogene</i> , 9:1799, 1994. |
| <i>dw</i> | C43 | Núñez <i>et al.</i> , "BCL-X is expressed in embryonic and adult neuronal tissues and its expression prevents neuronal cell death (abstract)," <i>J. Cell. Biochem.</i> , Supplement 0 (19B), B8-438, p. 317, 1995. |
| <i>dw</i> | C44 | Núñez <i>et al.</i> , "Deregulated BCL-2 gene expression selectively prolongs survival of growth factors-deprived hemopoietic cell lines," <i>J. Immunol.</i> , 144:3602, 1990. |
| <i>rw</i> | C45 | Oltvai <i>et al.</i> , "Bcl-2 Heterodimerizes <i>In Vivo</i> with a Conserved Homolog, Bax, That Accelerates Programmed Cell Death," <i>Cell</i> 74:609-619, 1993. |
| <i>rw</i> | C46 | Oppenheim <i>et al.</i> , "Brain-derived neurotrophic factor rescues developing avian motoneurons from cell death," <i>Nature</i> , 360:755-757, 1992. |
| <i>dw</i> | C47 | Raff, M.C., "Social controls on cell survival and cell death," <i>Nature</i> , 356:397-400, 1992. |
| <i>dw</i> | C48 | Reed <i>et al.</i> , "Bcl-2-mediated tumorigenicity in a human T-lymphoid cell line: synergy with c-myc and inhibition by Bcl-2 antisense," <i>Proc. Nat'l Acad. Sci. USA</i> , 87:3660, 1990b. |

EXAMINER:

Pat A. Smith

DATE CONSIDERED:

3/2/98

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

| | | | |
|---|--|----------------------------------|-----------------------------------|
| Form PTO-1449 (modified) | | Atty. Docket No. UTXC:504/WIM | Serial No. 08/726,211 |
| List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | Applicant Mar Tormo, et al. | |
| | | Filing Date: October 4, 1996 | Group: UNKNOWN 1636 |
| U.S. Patent Documents See Page 1 | Foreign Patent Documents See Page 1 | Other Art See Page 1 | |

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

| Exam. Init. | Ref. Des. | Citation |
|-------------|-----------|--|
| <i>mn</i> | C49 | Reed <i>et al.</i> , "Antisense-Mediated Inhibition Of BCL-2 Protooncogene Expression And Leukemic Cell Growth And Survival: Comparisons Of Phosphodiester and Phosphorothioate Oligodeoxynucleotides," <i>Cancer Res.</i> , 50: 6565, 1990. |
| <i>m</i> | C50 | Reed <i>et al.</i> , "Regulation of <i>bcl-2</i> Proto-Oncogene Expression During Normal Human Lymphocyte Proliferation," <i>Science</i> , 236:1295, 1987. |
| <i>mn</i> | C51 | Reed, <i>et al.</i> , "Bcl-2: prevention of apoptosis as a mechanism of drug resistance," <i>Hematol. Oncol. Clin. North Am.</i> , 9:451, 1995. |
| <i>mn</i> | C52 | Sato <i>et al.</i> , "Interactions among members of the Bcl-2 protein family analyzed with a yeast two-hybrid system," <i>Proc. Natl. Acad. Sci. USA</i> , 91:9238-9242, 1994. |
| <i>mn</i> | C53 | Schott <i>et al.</i> , "Bcl-x _L protects cancer cells from p53-mediated apoptosis," <i>Oncogene</i> , 11(7):1389-1394, 1995. |
| <i>m</i> | C54 | Schott, <i>et al.</i> , "BCL-X _L Protects Cells from P53-Mediated Apoptosis", <i>Journal of Investigative Medicine</i> 43 (SUPPL. 3) 458A, 1995 |
| <i>mn</i> | C55 | Sedlak <i>et al.</i> , "Multiple Bcl-2 family members demonstrate selective dimerization with Bax," <i>Proc. Nat'l Acad. Sci. USA</i> , 92:7834, 1995. |
| <i>mn</i> | C56 | Sentman <i>et al.</i> , "bcl-2 Inhibits Multiple Forms of Apoptosis but Not Negative Selection in Thymocytes," <i>Cell</i> , 67:879, 1991. |
| <i>mn</i> | C57 | Siegel <i>et al.</i> , "Inhibition of thymocyte apoptosis and negative and antigenic selection in <i>bcl-2</i> transgenic mice," <i>Proc. Natl. Acad. Sci. USA</i> , 89:7003, 1992. |
| <i>mn</i> | C58 | Strasser <i>et al.</i> , "bcl-2 Transgene Inhibits T Cell Death and Perturbs Thymic Self-Censorship," <i>Cell</i> , 67:889, 1991. |
| <i>mn</i> | C59 | Strasser <i>et al.</i> , "Enforced <i>BCL2</i> Expression in B-lymphoid Cells Prolongs Antibody Responses and Elicits Autoimmune Disease," <i>Proc. Natl. Acad. Sci. USA</i> , 88:8661, 1991. |
| <i>mn</i> | C60 | Sumantran <i>et al.</i> , "Overexpression of Bcl-x _s Sensitizes MCF-7 Cells to Chemotherapy-Induced Apoptosis," <i>Cancer Res.</i> , 55:2507-2510, 1995. |
| <i>mn</i> | C61 | Thompson, C. B., "Apoptosis in the Pathogenesis and Treatment of Disease," <i>Science</i> , 267:1456-1462, 1995. |

EXAMINER:

Not a signature

DATE CONSIDERED:

3/2/98

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

| | | | |
|---|--|----------------------------------|-----------------------------------|
| Form PTO-1449 (modified) | | Atty. Docket No. UTXC:504/WIM | Serial No. 08/726,211 |
| List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | Applicant Mar Tormo, et al. | |
| | | Filing Date: October 4, 1996 | Group: UNKNOWN 1636 |
| U.S. Patent Documents See Page 1 | Foreign Patent Documents See Page 1 | Other Art See Page 1 | |

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

| Exam. Init. | Ref. Des. | Citation |
|-------------|-----------|--|
| <i>DS</i> | C62 | Tormo <i>et al.</i> , "Antitumor activity of liposomal-bcl-2-antisense oligonucleotides in follicular lymphoma (abstract)," <i>Proc. Am. Assoc. Cancer. Res.</i> , 37:1190, 1996. |
| <i>DS</i> | C63 | Tsujimoto and Croce, "Analysis of the structure, transcripts, and protein products of <i>bcl-2</i> , the gene involved in human follicular lymphoma," <i>Proc. Natl. Acad. Sci. USA</i> , 83:5214, 1986. |
| <i>DS</i> | C64 | Tsujimoto <i>et al.</i> , "Characterization of the protein product of <i>bcl-2</i> , the gene involved in human follicular lymphoma," <i>Oncogene</i> , 2:3, 1987. |
| <i>DS</i> | C65 | Tsujimoto <i>et al.</i> , "The t(14;18) chromosome translocation involved in B-cell neoplasms result from mistakes in VDJ joining," <i>Science</i> , 229:1390, 1985. |
| <i>DS</i> | C66 | Vaux <i>et al.</i> , " <i>Bcl-2</i> gene promotes haemopoietic cell survival and cooperates with <i>c-myc</i> to immortalize pre-B cells," <i>Nature</i> , 335:440, 1988. |
| <i>DS</i> | C67 | Webb <i>et al.</i> , "Extrathymic Tolerance of Mature T Cells: Clonal Elimination as a Consequence of Immunity," <i>Cell</i> , 63:1249, 1990. |
| <i>DS</i> | C68 | Williams, G.T., "Programmed Cell Death: Apoptosis and Oncogenesis," <i>Cell</i> , 65:1097-1098, 1991. |
| <i>DS</i> | C69 | Wrone-Smith, <i>et al.</i> , "Discordant Expression of Bcl-x and Bcl-2 by Keratinocytes <i>in Vitro</i> and Psoriatic Keratinocytes <i>in Vivo</i> ," <i>Am. J. Pathology</i> , 146:1079-1088, 1995. |
| <i>DS</i> | C70 | Yang <i>et al.</i> , "Bad, a Heterodimeric Partner for Bcl-X _L and Bcl-2, Displaces Bax and Promotes Cell Death," <i>Cell</i> , 80:285, 1995. |
| <i>DS</i> | C71 | Yin <i>et al.</i> , "BH1 and BH2 domains of Bcl-2 are required for inhibition of apoptosis and heterodimerization with Bax," <i>Nature</i> , 369: 321, 1994. |
| <i>DS</i> | C72 | Zhang <i>et al.</i> , "Gene therapy for the peripheral nervous system rat neuritogenic T cell line carry mouse nerve growth factor gene (abstract)," <i>J. Cell. Biochem., Suppl. 0 (17 Part E):SZ-116</i> , 1993. |

EXAMINER:

Pat A. Hunter

DATE CONSIDERED:

3/2/98

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-1449 (modified)

Atty. Docket No.
UTXC:504/CODSerial No.
08/726,211

List of Patents and Publications for Applicant's

Applicant
Mar Tormo, et al

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:
October 4, 1996Group:
~~1806~~ 1636U.S. Patent Documents
See Page 1Foreign Patent Documents
See Page 1Other Art
See Page 1

U.S. Patent Documents

| Exam. Init. | Ref. Des. | Document Number | Date | Name | Class | Sub Class | Filing Date if App. |
|-------------|-----------|-----------------|----------|------------------|-------|-----------|---------------------|
| <i>BA</i> | A1 | 5,015,568 | 05-14-91 | Tsujimoto et al. | 435 | 5 | 07-09-86 |
| <i>BA</i> | A2 | 5,202,429 | 04-13-93 | Tsujimoto et al. | 536 | 23.5 | 04-19-91 |
| <i>BA</i> | A3 | 5,459,251 | 10-17-95 | Tsujimoto et al. | 536 | 23.5 | 04-18-94 |
| <i>BA</i> | A4 | 5,539,085 | 07-23-96 | Bischoff et al. | 530 | 350 | 08-20-93 |
| <i>BA</i> | A5 | 5,539,094 | 07-23-96 | Reed et al. | 536 | 23.5 | 11-12-93 |
| <i>BA</i> | A6 | 5,565,337 | 10-15-96 | Diamond et al. | 435 | 70.2 | 08-23-94 |
| <i>BA</i> | A7 | 5,622,852 | 04-22-97 | Korsmeyer | 435 | 325 | 10-31-94 |

Foreign Patent Documents

| Exam. Init. | Ref. Des. | Document Number | Date | Country | Class | Sub Class | Translation Yes/No |
|-------------|-----------|-----------------|----------|---------|-------|-----------|--------------------|
| <i>BA</i> | B2 | WO 93/24653 | 12-09-93 | PCT | — | — | |
| <i>BA</i> | B3 | WO 95/28497 | 10-26-95 | PCT | — | — | |
| <i>BA</i> | B4 | WO 96/27663 | 09-12-96 | PCT | — | — | |

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

| Exam. Init. | Ref. Des. | Citation |
|-------------|-----------|---|
| <i>BA</i> | C73 | Bradbury et al., "Down-Regulation of bcl-2 in AML Blasts by All-Trans Retinoic Acid and Its Relationship of CD34 Antigen Expression," British Journal of Haematology, 94:671-675, 1996. |
| <i>BA</i> | C74 | Capaccioli et al., "A bcl-2/IgH Antisense Transcript Deregulates bcl-2 Gene Expression in Human Follicular Lymphoma t(14;18) Cell Lines," Oncogene, 13:105-115, 1996. |
| <i>BA</i> | C75 | Masserano et al., "Dopamine Induces Apoptotic Cell Death of a Catecholaminergic Cell Line Derived from the Central Nervous System," Molecular Pharmacology, 50:1309-1315, 1996. |

Examiner:

Date Considered:

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement — PTO-1449 (Modified)

Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.

UTXC:504/COD

Serial No.

08/726,211

Applicant

Mar Tormo, et al

Filing Date:

October 4, 1996

Group:

~~1806~~ 1636

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

| Exam. Init. | Ref. Des. | Citation |
|----------------|--------------|---|
| <i>JA</i> | C76 | Schendel et al., "Channel Formation by Antiapoptotic Protein Bcl-2," Proc. Natl. Acad. Sci. USA, 94:5113-5118, 1997. |
| <i>BN</i> | C77 | Weber-Nordt et al., "Interleukin-10 Increases Bcl-2 Expression and Survival in Primary Human CD34+ Hematopoietic Progenitor Cells," Blood, 88(7):2549-2558, 1996. |
| <i>BN</i> | C78 | Zhang et al., "BCL2 Regulates Neural Differentiation," Proc. Natl. Acad. Sci. USA, 93:4504-4508, 1996. |
| | | |

Examiner:

[Signature]

Date Considered:

3/2/98

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement — PTO-1449 (Modified)

Form PTO-1449 (modified)Atty. Docket No.
UTXC:504/CODSerial No.
08/726,211

List of Patents and Publications for Applicant's

Applicant

INFORMATION DISCLOSURE STATEMENT

Tormo et al.

Filing Date:
October 4, 1996Group:
~~1805~~ 1636

Use several sheets if necessary)

U.S. Patent Documents
See Page 1Foreign Patent Documents
See Page 1Other Art
See Page 1

NOV 20 1997

U.S. Patent Documents

| Exam. Init. | Ref. Des. | Document Number | Date | Name | Class | Sub Class | Filing Date if App. |
|-------------|-----------|-----------------|----------|--------------|-------|-----------|---------------------|
| <i>AN</i> | A8 | 5,227,170 | 07-13-93 | Sullivan | 424 | 450 | 06-20-90 |
| <i>AN</i> | A9 | 5,135,917 | 08-04-92 | Burch | 514 | 44 | 07-12-90 |
| <i>AN</i> | A10 | 5,178,875 | 01-12-93 | Lenk et al. | 424 | 450 | 01-14-91 |
| <i>AN</i> | A11 | 4,950,432 | 08-21-90 | Mehta et al. | 264 | 4.6 | 10-16-87 |
| <i>AN</i> | A12 | 5,417,978 | 05-23-95 | Tari et al. | 424 | 450 | 07-29-93 |

Foreign Patent Documents

| Exam. Init. | Ref. Des. | Document Number | Date | Country | Class | Sub Class | Translation Yes/No |
|-------------|-----------|-----------------|----------|---------|-------|-----------|--------------------|
| <i>AN</i> | B5 | WO 95/03788 | 02-09-95 | PCT | — | — | |

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

| Exam. Init. | Ref. Des. | Citation |
|-------------|-----------|---|
| <i>AN</i> | C79 | Aktar et al., "Liposome Delivery of Antisense Methylphosphonate and Phosphorothioate Oligonucleotides: A Study with MLV, FATMLV, and LUV Liposomes," <i>Proceed. Intern. Symp. Control. Rel. Bioact. Mater.</i> , 19:345-346, 1992. |
| <i>AN</i> | C80 | Clarenc et al., "Delivery of Antisense Oligonucleotides by poly(L-Lysine) Conjugation and Liposome Encapsulation," <i>Anti-Cancer Drug Design</i> , 8:81-94, 1993. |
| <i>AN</i> | C81 | Gomez-Manzano et al., "Bax, Bcl-2 and p53 Interactions Modulate p53-Induced Apoptosis in Glioma Cells," <i>Proceedings of the American Association for Cancer Research</i> , 37:204, Abstract 1397, March 1996. |
| <i>AN</i> | C82 | Juliano et al., "Liposomes as a Drug Delivery System for Antisense Oligodeoxynucleotides Encapsulated by Liposomes," <i>Antisense Research and Development</i> , 2:165-176, 1992. |
| <i>AN</i> | C83 | Loke et al., "Delivery of c-myc Antisense Phosphorothioate Oligodeoxynucleotides to Hematopoietic Cells in Culture by Liposome Fusion: Specific Reduction in c-myc Protein Expression Correlates with Inhibition of Cell Growth and DNA Synthesis," <i>Current Topics in Microbiology and Immunology, Mechanisms in B-Cell Neoplasia</i> , 141:282-289, 1988. |

Examiner:

Date Considered:

3/2/98

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement — PTO-1449 (Modified)

Form PTO-1449 (modified)

Atty. Docket No.

UTXC:504/COD

Serial No.

08/726,211

List of Patents and Publications for Applicant's

Applicant

Tormo et al.

Filing Date:

October 4, 1996

Group:

~~1805~~ 1636**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 1

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

| Exam. Init. | Ref. Des. | Citation |
|-------------|-----------|---|
| NA | C84 | Marin <i>et al.</i> , "Complementation and Cell Death Regulation By Bcl-2, p53 and c-myc During <i>In Vivo</i> Lymphomagenesis," <i>Journal of Cellular Biochemistry</i> , Supplement 19B, p 286, Abstract B8-224, February 5- March 15, 1995. |
| BA | C85 | McDonnell <i>et al.</i> , "Cell Death Suppression by Bcl-2 Is Associated with Altered Nuclear-Cytoplasmic Trafficking," <i>Proceedings of the American Association for Cancer Research</i> , 37:16, Abstract 111, March 1996. |
| AN | C86 | Ropert <i>et al.</i> , "Inhibition of the Friend Retrovirus by Antisense Oligonucleotides Encapsulated in Liposomes: Mechanism Action," <i>Pharmaceutical Research</i> , 10(10):1427-1433, April 1993. |
| ON | C87 | Skorski <i>et al.</i> , "Gene-targeted Specific Inhibition of Chronic Myeloid Leukemia Cell Growth by BCR-ABL Antisense Oligodeoxynucleotides," <i>Folia Histochemica et Cytobiologica</i> , 29(3):85-90, 1991. |
| AN | C88 | Tari <i>et al.</i> , "Liposomal Delivery of Methylposphonate Antisense Oligodeoxynucleotides in Chronic Myelogenous Leukemia," <i>Blood</i> , 84(2):601-607, July 1994. |
| AN | C89 | Thierry <i>et al.</i> , "Intracellular Availability of Unmodified, Phosphorothioated and Liposomally Encapsulated Oligodeoxynucleotides for Antisense Activity," <i>Nucleic Acids Research</i> , 20(21):5691-5698, September 1992. |
| AN | C90 | Thierry <i>et al.</i> , "Liposomal Delivery as a New Approach to Transport Antisense Oligonucleotides," <i>Gene Regulation, Biology of Antisense RNA and DNA</i> , 1:47-161, 1992. |
| M | C91 | Thierry <i>et al.</i> , "Modulation of multidrug Resistance by Antisense Oligodeoxynucleotides Encapsulated by Liposomes," <i>Proceedings of the American Association for Cancer, Preclinical Pharmacology/Experimental Therapeutics</i> , Abstract 2578, 32:443, March 1991. |
| M | C92 | Thierry <i>et al.</i> , "Overcoming Multidrug Resistance in Human Tumor Cells Using Free and Liposomally Encapsulated Antisense Oligodeoxynucleotides," <i>Biochemical and Biophysical Research Communications</i> , 190(3):952-960, February 1994. |
| N | C93 | Tormo <i>et al.</i> , "Antitumor Activity of Liposomal-Bcl-2-Antisense Oligonucleotides in Follicular Lymphoma," <i>Proceedings of the American Association for Cancer Research</i> , 37:173, Abstract 1190, March 1996. |
| M | C94 | U.S. Patent Application 08/520,385 Filed August 29, 1995 Inventors G. Lopez-Berestein and A.M. Tari |

Examiner:

Date Considered:

3/2/98

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement — PTO-1449 (Modified)